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NOTICE OF ALLOWANCE AND FEE(S) DUE

23838

7590

09/23/2010

KENYON & KENYON LLP 1500 K STREET N.W. SUITE 700 WASHINGTON, DC 20005

EXAMINER				
TRAN, DIEM T				
ART UNIT	PAPER NUMBER			
3748				

DATE MAILED: 09/23/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,948	09/08/2006	Shigehiro Matsuno	960/220	4966

TITLE OF INVENTION: REGENERATION CONTROLLER FOR EXHAUST PURIFICATION APPARATUS OF INTERNAL COMBUSTION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/23/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

opropriate. All further idicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corresp rate "F	ondence address as EE ADDRESS" for
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23838	7590 09/23	/2010			Cort	ificate	of Mailing or Trans	miccion	
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WASHINGTON	I, DC 20005								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONE	FIRMATION NO.
10/591,948	09/08/2006		Shigehiro Matsuno)			960/220		4966
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		12/23/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
TRAN,	DIEM T	3748	060-295000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	names of up to 3 registered patent attorneys ts OR, alternatively, name of a single firm (having as a member a ed attorney or agent) and the names of up to ered patent attorneys or agents. If no name is no name will be printed.					
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ' ified below, no assignee oletion of this form is NO categories (will not be pr	data will appear on the Ta substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	TRY)		
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 a. The following fee(s) Issue Fee 	are submitted:	40	 Payment of Fee(s): (A check is enclosed 		se tirst reapply an	y prev	nously paid issue fee	snown a	ibove)
☐ Publication Fee (N	No small entity discount p	permitted)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any						
Advance Order -	# of Copies		The Director is he overpayment, to D	reby Depos	authorized to charş it Account Numbe	ge the 1 r	required fee(s), any de (enclose a	ficiency n extra c	, or credit any copy of this form).
a. Applicant claim	tus (from status indicated is SMALL ENTITY statu	is. See 37 CFR 1.27.					ΓΙΤΥ status. See 37 CI		
OTE: The Issue Fee an terest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an th	e applicant; a regis	stered a	attorney or agent; or th	e assigr	ee or other party in
Authorized Signature					Date				
Typed or printed name					Registration N	o			
n application. Confiden abmitting the completed is form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th D NOT SEND FEES OR	1.14. This collection is depending upon the in the Chief Information O	s esti ndivi fficer	mated to take 12 n dual case. Any co . U.S. Patent and '	ninutes mment Traden	to complete, including s on the amount of time park Office, U.S. Depar	g gather ne you artment	ring, preparing, and require to complete of Commerce, P.O.

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KENYON & KE	NYON LLP	TRAN, DIEM T		
1500 K STREET I	N.W.		ART UNIT	PAPER NUMBER
SUITE 700 WASHINGTON, 1	DC 20005		3748 DATE MAILED: 09/23/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1050 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1050 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/591,948	MATSUNO ET AL.			
Notice of Allowability	Examiner	Art Unit			
	DIEM TRAN	3748			
	DILW HAN	3740			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr GHTS . This application is	in this application. If not included nunication will be mailed in due c	l ourse. THIS		
1. This communication is responsive to					
2. The allowed claim(s) is/are <u>1-26</u> .					
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the:	• , , ,) or (f).			
1. Certified copies of the priority documents have		· • • • • • • • • • • • • • • • • • • •			
2. Certified copies of the priority documents have					
3. Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage application	on from the		
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requ	iirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			pack) of		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of	Informal Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	<u> </u>	Summary (PTO-413),			
	Paper No	o./Mail Date			
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>9/8/06,10/24/07</u>	/. ∐ Examiner	's Amendment/Comment			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		's Statement of Reasons for Allow	/ance		
	9.	<u>_</u> ·			

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The claimed combination including the limitations directed to a regeneration controller for regenerating an exhaust purification apparatus comprising: a correction control section for correcting the estimated accumulation amount in accordance with the at least one difference in exhaust pressure upstream and downstream of the exhaust purification apparatus when the estimated accumulation amount falls within a correction determination reference range due to the heating and the at least one difference is greater than a correction reference value, is not disclosed nor rendered obvious over the art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication from the examiner should be directed to Examiner Diem Tran whose telephone number is (571) 272-4866. The Examiner can normally be reached on Monday -Friday from 8:00 a.m.- 6:00p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas E. Denion, can be reached on (571) 272-4859. The fax number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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Art Unit: 3748

applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the

Private PAIR system, contact the Electronic Business Center (EBC) at 800-786-9199 (toll-

free).

/Diem Tran/ Patent Examiner

/Thomas E. Denion/ Supervisory Patent Examiner, Art Unit 3748